

Historical Floods: Goose Creek near Leesburg, Virginia

Latitude: 39.019

Flood Stage: 12 ft

Period of Record: 1909-Present

Last Flood: 9/30/2015

Longitude: -77.578

Number of Floods: 42

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code					
6/1/1889	29.00	45,000	Major	C1 C8					
9/24/1912	20.00	13,000	Major	C1 G1					
5/13/1932	18.45	9,650	Major	C1 G1					
8/23/1933	21.60	17,000	Major	C1 G1					
12/1/1934	15.00	7,010	Moderate	C1 G1					
3/17/1936	13.61	6,010	Minor	C1 G1					
8/26/1937	26.86	35,600	Major	C1 G1					
10/28/1937	17.00	8,530	Moderate	C1 G1					
10/16/1942	22.90	35,600	Major	C1					
9/18/1945	18.00	18,500	Major	C1					
12/4/1950	18.25	18,600	Major	C1					
4/28/1952	14.30	11,700	Minor	C1					
11/22/1952	12.13	8,840	Minor	C1					
7/21/1956	20.90	27,600	Major	C1					
1/14/1958	12.50	9,280	Minor	C1					
3/5/1965	12.48	8,600	Minor	C1					
8/25/1967	14.00	10,300	Minor	C1					
1/14/1968	12.35	8,470	Minor	C1					
11/13/1970	12.26	8,380	Minor	C1					
6/22/1972	30.59	78,100	Major	C1					
12/2/1974	18.84	20,300	Major	C1					
					1/1/1976	13.32	9,490	Minor	C1
					10/9/1976	25.74	48,700	Major	C1
					1/26/1978	14.94	11,700	Minor	C1
					2/26/1979	16.36	14,300	Moderate	C1
					4/10/1983	14.86	11,500	Minor	C1
					2/15/1984	16.36	14,000	Moderate	C1
					2/12/1985	15.88	13,100	Moderate	C1
					12/11/1992	19.04	21,000	Major	C1
					1/20/1996	20.11	24,400	Major	C1
					3/21/1998	17.43	16,500	Moderate	C1
					9/23/2003	23.32	36,900	Major	C1
					12/11/2003	17.31	16,200	Moderate	C1
					7/8/2005	14.34	10,800	Minor	C1
					5/12/2008	18.90	20,500	Major	C1
					3/13/2010	13.08	9,280	Minor	C1
					4/17/2011	14.48	11,000	Minor	C1
					10/31/2012	19.60	22,700	Major	none
					1/31/2013	18.47	15,800	Major	none
					4/30/2014	14.07	9,320	Minor	none
					5/16/2014	15.58	11,000	Moderate	none
					9/30/2015	12.15	7,600	Minor	none

Drainage Area: 332 sq mi

Gage Datum: 248.93 ft MSL

Potomac Basin

County of Gage: Loudoun

County of Forecast Point: Loudoun

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Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

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